

Safety Data Sheet

Subject to REGULATION of the European Parliament and Regulation EC 1907/2006
as amended by Council Directive (EU) 2015/830

Version: 1.0 EN
Creation date in ENG: 23.11.2015
Revision date: - Replacement of version No. - from

CLP (spray)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

CLP (spray)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Usage: Cleaning and preserving liquid with corrosion inhibitor for guns in aerosol can

1.3 Details of the supplier of the safety data sheet

1.3.1 Company specification

Company name: REDCON ONE s.r.o.
Address: Viničná 132/55, Ostrava, 724 00
Tel.: +420 724178820
e-mail: head@redcon1.cz

1.3.2 A person qualified and responsible for safety data sheet in the Czech Republic:

e-mail: martina_sramkova@volny.cz

1.4 Emergency telephone number

Czech Republic: +420 602 414 051 or TIS, Na Bojišti 1, 128 08 Praha2, tel. 24 h: + 420 224 919 293, 224 915 402,
or (by day) 224 914 575.

Information relevant in the country of distribution to be added.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to EU Regulation no. 1272/2008

Aerosol 1 H222, H229

Asp. Tox. 1; H304

Skin Irrit. 2, H315

Eye Irrit. 2, H319

Aquatic Chronic 3, H412

The full text of "H-phrases" is stated in Section 16 of this Safety Data Sheet.

Classification notes:

Note: The calculation method takes into account the requirements of the CLP Regulation for the classification of aerosols in line with paragraph 1.1.3.7 of Annex I, Part I, CLP, i.e. a mixture of aerosol is classified in the same hazard category as the mixture which is not in a form of aerosol.

2.1.2 The most serious adverse physic-chemical effects

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Build-up of explosive mixtures possible without sufficient ventilation.

2.1.3 The most serious adverse effects on human health

Causes skin irritation. Causes serious eye irritation.

2.1.4 The most serious adverse effects on the environment

Harmful to aquatic life with long lasting effects. As an aerosol product it presents no special hazards providing disposal requirements are followed together with national or local regulations (see section 13).

2.2 Label elements

2.2.1 The label elements in accordance with Regulation no. (EC) no. 1272/2008



DANGER

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/12°F.

P211 Do not spray on an open flame or other ignition source.

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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P102 Keep out of reach of children.

P501 Dispose of container as of dangerous waste.

Content: Dodecane; n-undecane; $\geq 30\%$ aliphatic hydrocarbons.

2.3 Other hazards

The mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII of EU Regulation 1907/2006.

2.4 Other information

Not to be used in a range of ignition sources.

Further information necessary to be added to the product label complying with other regulations, see Section 15.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous substances:	Index No. EINECS. CAS Registration No.	Content (% ww)	Classification acc. (EC) No. 1272/2008
Dodecane	- 203-967-9 112-40-3	23-26	Asp. Tox. 1 H304 Flam. Liq. 3 H226
n-undecane	- 214-300-6 1120-21-4	20-23	Asp. Tox. 1 H304
Decane	- 211-093-4 629-50-5	7- <10	Asp. Tox. 1 H304 Eye Irrit. 2 H319 STOT SE 3 H335 Skin Irrit. 2 H315
n-tridecane	- 204-686-4 124-18-5	6- <10	Asp. Tox. 1 H304
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	- 927-510-4 - 01-2119475515-33	< 10	Flam. Liq. 2 H225 Skin Irrit. 2 H315 Asp. Tox. 1 H304 STOT SE 3 H336 Aquatic Chronic 2 H411
Aliphatic amines and derivatives **	-	1-3	Eye Irrit. 2 H319
Benzenesulfonic acid, 4-C10-13-sec- alkyl derivs.	- 204-872-5 127-91-3 yet unassigned	1- < 3	Acute Tox. 4 H302 Skin Corr. 1C H314 Eye Damage 1 H318 Aquatic Chronic 3 H412
Isobutan	601-004-00-0 200-857-2 75-28-5 yet unassigned	30-40	Flam. Gas 1 H220 Press. Gas H280
Propan	601-003-00-5 200-827-9 74-98-6 yet unassigned	10-15	Flam. Gas 1 H220 Press. Gas H280
Butan	601-004-00-40 203-448-7 106-97-8 yet unassigned	< 1	Flam. Gas 1 H220 Press. Gas H280
Mineral oil	-	< 20	The substance with exposure limit

** Approved alternative name

Full text of H-phrases is described in Section 16 of this Safety Data Sheet

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 General information

If any health problems show or in case of any doubts, please, inform your doctor and provide him with information from this safety sheet. In case of syncope place affected person into stabilized position on his/her body-side with slightly bend head backward. Never serve anything to insensible person through mouth.

4.1.2 In case of inhalation:

Break exposition, transfer affected person from contaminated area to fresh air, ensure physical and psychological relax. If he/she has respiratory problems, Seek medical advice/treatment immediately!

4.1.3 In case of eye contact:

Remove contact lenses, if affected person has any. Immediately rinse eyes with clean (tepid, if possible) flowing water minimally for 15 minutes with widely opened eyelids and mainly the areas under eyelids; if ache or flare of eyes persists, seek medical advice.

4.1.4 In case of contact with skin:

Lay off contaminated clothes from affected person. Wash affected area by large quantity of water (warm, if possible) and soap and then rinse properly.

4.1.5 In case of ingestion:

Not anticipated. An aerosol spray.

Liquid: Calm down affected person and place him/her to warm area. Rinse mouth by water. Don't invoke vomiting. In case of consuming of larger quantity seek medical advice immediately!

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: dizziness

Skin contact: redness, itching

Eye contact: Irritating to eyes, may appear redness of the sclera.

Ingestion: May irritate the digestive tract, can cause nausea and vomiting (Not anticipated. An aerosol spray)

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

5.1.1 Suitable extinguishing media:

Use dry chemical preparations, CO₂, water fog or foam resistant to alcohols

5.1.2 Unsuitable extinguishing media:

Water with full jet. Water can be used only for cooling products (containers) near a fire.

5.2 Special hazards arising from the substance or mixture

In case of fire, CO, CO₂ and other toxic gases can generate. Inhalation of dangerous disruptive (pyrolysing) products can cause serious health damage

5.3 Advice for firefighters

In event of fire wear a suitable respiratory system (insulating device)

5.4 Further information

Closed containers with mixture placed close to fire have to be cooled down by water. All residuals after fire and dirty water from fire-fighting should be disposed in accordance with valid regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure sufficient ventilation. Keep out of ignition sources reach. Proceed in accordance with directions included in Sections 7 and 8.

6.1.2 For emergency responders

Ensure sufficient ventilation. Keep out of ignition sources reach. Proceed in accordance with directions included in Sections 7 and 8.

6.2 Environmental precautions

Avoid draining into sewage/surface water/ground water.
See section 13 for more informations.

6.3 Methods and material for containment and cleaning up

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Cover split mixture by sufficient (flammable) absorbing material (sand, diatomaceous earth, mould or other sufficient absorbing materials), collect in well-closed containers and dispose in accordance with Section 13. Collected material has to be disposed in accordance with locally valid regulations. After disposal of the mixture, clean up contaminated area by large quantity of water or other suitable cleaning agent.

6.4 Reference to other sections

See sections 7, 8 and 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Precautions for safe handling with the mixture

Prevent concentration exceeded highest acceptable limits (NPK-P) for working environment. Prevent contact with eyes and skin. Don't inhale gases/vapours/aerosols. Ensure effective ventilation. Regarding possibility of exposition to dangerous substance effects, use suitable protective means. Work in accordance with instruction manual – if you follow it, any special protective measurements are not needed. Keep out of ignition sources reach. Don't smoke. Take preventive measurements against discharges of static electricity. Work with the products only in the areas without any explosion danger. Vapours can generate explosive mixture in combination with air.

7.1.2 General hygienic measures

Do not eat, drink or smoke at the workplace; wash your hands after using this product. Before entering eating areas remove contaminated clothing and protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Ensure good ventilation of the room, also on the floor level (vapours are heavier than air). Floor has to be resistant against solvents. Store containers well-closed in dry, cool and well-ventilated place. Protect against warming/overheating. Protect against sun. Store separated from oxidation reagents.

7.3 Specific end use(s)

See section 1.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Values for the Czech republic: The product contains substances for which following concentration of occupational exposure limit values are set (maximum permissible exposure limit=PEL; maximum permissible concentration in the workplace air=NPK-P).

Chemical name	PEL (mg/m ³)	NPK-P (mg/m ³)
Alcanes C10-C14	1000	3000
Mineral oil (aerosol)	5	10

The lists valid during the making were used as basis.

Information relevant in the country of distribution to be added.

8.1.1 Values DNEL and PNEC

Mixture values are not available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Take notice of common measurements for protection of health at work and particularly for well ventilation. It can be reached only by local exhaustion or effective total ventilation. If it is not possible to keep NPK-P, it is necessary to use suitable protection of respiratory system. Don't eat, drink and smoke during the work with mixture. Eliminate stain of eyes and skin. Clean up hands before breaks and at the end of work.

8.2.2 Individual protection measures, such as personal protective equipment

Use of personal protective equipment must be in accordance with the Directive 89/686/EEC.

8.2.2.1 A general hygienic and protective measures

Avoid prolonged and repeated contact with skin.

Use the usual preventive measures when handling chemicals. While working with the mixture do not eat, drink or smoke. Avoid contact with eyes and skin. Before breaks wash your hands. Do not rub or touch your eyes with dirty hands. Prevent the spread of gas / mist / vapours. Store work clothes separately. Do not breathe vapour or mist.

8.2.2.2 Respiratory protection

During normal use, no special requirements.

8.2.2.3 Hand protection

Protective gloves complying Standard EN 374 (butyl-rubber, penetration time > 8 hours). Selection of suitable gloves doesn't depend only on material, but also on other functions, quality, and differs at each producer. Keep rules relating to permeability and penetration time that are provided by supplier of gloves. Also take into consideration

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specific local conditions, which the product is used under, such as danger of tingle, abrasion and long-time of contact.

8.2.2.4 Eye protection

Tight protective gloves (based on character of performance).

8.2.2.5 Skin protection (whole body protection)

Light protective clothes.

8.2.3 Environmental exposure controls

In case of common usage it is not needed; prevent penetration into surface water flows and sewerage. Take notice of usual measurements to protect living environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

The data presented below refer to the liquid, unless stated otherwise.

Appearance	yellow-red to red-browened liquid in aerosol container
Odour	characteristic
pH	Undetected
Odour threshold	Undetected
Melting point/freezing point;	Undetected
Initial boiling point and boiling range	98°C
Flash point	75°C
Evaporation rate	unknown
Flammability (solid, gas)	II. class of flammability
Upper/lower flammability or explosive limits	0.6 – 4.3%
Vapour pressure	Undetected
Vapour density (air=1)	vapours are heavier than air
Relative density (at 20°C)	0,785
Solubility in water (at 20°C)	insoluble
Solubility in other solvents	soluble
Partition coefficient: n-octanol/water	unknown
Auto-ignition temperature	unknown
Viscosity	unknown
Oxidising properties	unknown

9.2 Other information

Organic solvents content	Ca. 0,75 kg/kg of product
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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Product is under normal circumstances of utilization stable and decomposition doesn't happen.

10.2 Chemical stability

The product under standard conditions of use is stable and does not degrade.

10.3 Possibility of hazardous reactions

During usage it can generate flammable / explosive mixtures of vapours and air

10.4 Conditions to avoid

Avoid contact with heating units, open flame, sparks and any other possible causes of inflammation. Don't store with flammable materials.

10.5 Incompatible materials

Not known

10.6 Hazardous decomposition products

Carbon oxides

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Mixtures

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For mixture (content of cartridge) are not relevant toxicological data available. The mixture was evaluated by calculation methods

Acute toxicity:	The classification criteria are not met
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation
Respiratory or skin sensitisation:	The classification criteria are not met
Germ cell mutagenicity:	Data not available
Carcinogenicity:	Data not available
Reproductive toxicity:	Data not available
STOT-single exposure:	The classification criteria are not met
STOT-repeated exposure:	The classification criteria are not met
Aspiration hazard:	not applicable (aerosol)

11.2 Symptoms and effects

In case of inhalation: vapours can cause irritation of respiratory system with cough. High concentrations of the substance can cause headaches and dazes.

In case of contact with eye: direct contact with liquid or high concentration of aerosol can cause irritation with temporary reddening.

Contact with skin: in case of long-term contact the liquid can cause irritation and reddening of skin. It degrades skin.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

For mixture (content of cartridge) are not relevant toxicological data available.

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

This product is hardly decomposable, it is petroleum distillate

12.3 Bioaccumulative potential

not stated

12.4 Mobility in soil

The product is decomposable and mobile in water and in earth.

12.5 Results of PBT and vPvB assessment

PBT and vPvB examination hasn't been done. In the date of this sheet issue there are no available sufficient background papers and the report of chemical safety (CSR) was not yet elaborated.

12.6 Other adverse effects

Prevent contamination of soil and release into surface water or groundwater. Do not allow it to entering into drains.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

All waste must be handled in accordance with national regulations. Do not mix with household waste. This is a hazardous waste.

13.1.1 The potential risk in waste disposal.

No significant risk at disposal, but empty containers/cans may contain unreacted components.

13.1.2 Disposal methods of the mixture

It must be disposed of as hazardous waste, e.g. in a hazardous waste incinerator

13.1.3 Recommended waste classification

Packaging:

Pressure aerosol container:

15 01 11* metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers

16 05 04* gases in pressure containers other than those mentioned in 16 05 04

container without propellant, ig. punctured:

15 01 04 metallic packaging

or according to the type of material used in packaging:

17 04 05 iron and steel

Contaminated material, such as cleaning cloths, sorbets, working clothes:

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15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

SECTION 14 TRANSPORT INFORMATION

14.1 UN number	UN 1950
14.2 UN proper shipping name	Aerosols, flammable
14.3 Transport hazard class (es)	2
14.4 Packing group	-
14.5 Environmental hazards	no
14.6 Special precautions for users	NOT APPLICABLE
14.7 transport in bulk according to Annex ii of Marpol and the IBC code	NOT APPLICABLE
14.8 Land transport ADR/RID	
Class/classification code	2 (5F) Gases
Packing group:	-
Safety label	2.1
Description:	UN 1950 Aerosols, flammable
14.9 Maritime transport IMDG:	
Class/classification code	2
Packing group:	-
Safety Label	2.1
Description:	UN 1950 Aerosols, flammable
Ems No.:	F-D,S-U
Marine pollutant	no
14.10 Air transport ICAO/IATA-DGR	
Class/classification code	2
Packing group:	-
Description:	UN 1950 Aerosols, flammable

SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18. December 2006 on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008
The European Agreement Concerning the International carriage of dangerous goods by road (Agreement ADR)
NOTE: The stated regulatory information only indicate basic regulations described in this safety data sheet. Please note the possible existence of additional legislation complementing these regulations. Refer to all applicable national, international and local regulations and directives.
- 15.2 Composition according to Regulation EC 648/2004 ES On Detergents:**
It contains more than 30% aliphatic hydrocarbons.
- 15.3 Chemical safety assessment**
Not carried out yet

SECTION 16: OTHER INFORMATION

- 16.1 Guidelines for training**
To make employers acquainted with recommended way of using, obligatory protective means, first-aid treatment and restricted manipulations with the mixture.
- 16.2 Full text of H phrases used in sections 2, 3 according to Regulation EU 1272/2008**
H222 Extremely flammable aerosol.

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- H229 Pressurised container: May burst if heated.
- H225 Highly flammable liquid and vapour.
- H224 Extremely flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects
- H412 Harmful to aquatic life with long lasting effects.

16.3 **Information on sources of data used in the compilation of the Safety Data Sheet**

Information from producer and supplier of the mixture. Further available databases and information. This safety sheet should be used in connection with material sheet. It doesn't replace this. Information stated here is based on our knowledge of the product at the time of publication and it is delivered in good faith. User has to be warned of possible danger resulting from the product using for other purpose than it is intended for. It doesn't give user any exception from knowledge and application of all regulations controlling its operation. Only responsibility of user is to utilize all regulations required for handling of product. Target of above mentioned controlling regulations is to help user to fulfil his obligations relating to using dangerous products. This information is not complete. This doesn't relieve user from necessity to ensure that also other regulations exist than that have been mentioned here, having relation to using and storage of product. This is entire responsibility of the user.

16.4 **Changes made to the previous version of the safety data sheet**

The first edition in English